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by Examiner alle  
1/10/05*



## SYSTEM FOR LIGHTING AN OBJECT

### Technical Field

The invention relates to navigational engineering, more specifically, to optoelectronic systems for autotracking of moving objects.

### Background Art

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Known in the present state of the art are systems for automatic guidance and tracking of moving targets, which are based on the frequency, phase, pulse-height, time-pulse and amplitude-phase principles and can be used for illumination of objects (cf. L.Z.Kriksunov, I.F.Usoltsev. Infrared systems. Moscow, "Sovetskoye Radio" Publishing House, 1968, p.p. 157-239 (in Russian)).

Known coordinators (target seekers) generate signals, which are proportional to the constituents of the angle of misalignment in two mutually perpendicular planes of control. These signals go to the monitoring drive of the system for target autotracking, which keeps the coordinator's optical system operating in a mode to have the optic axis constantly directed towards a target.